

## First Leadership Conference Next Week

### Wellesley, Tech Frosh Take Emotional Tests

Everyone in this year's freshman class of Wellesley and the Institute has been given a two-hour series of psychiatric tests. The tests, given as part of an experiment, are to measure, as well as tests are able, the relative emotional health and well being of the freshmen.

The tests were designed to aid in predicting the scholastic achievement of the students and to indicate those who, because of emotional blocs or problems, might need help sometime in their educational career. The tests given were a sentence completion test, a "check the appropriate sentence," and a health record.

#### Gilmore Directs Tests

In trying to discover the factors influencing achievement, both in and out of school hours, Dr. C. J. Gilmore, psychiatrist in charge of giving the tests, feels that family relationships are most important. It is hoped that this experiment will help determine the true importance of these family relationships.

The tests will be graded and used impartially as a whole by the Admissions and the Dean's offices. However the individual results will be confidential and private. These individual results will be available for the use of any Institute official with, and only with, the permission of the student involved.

Dr. Farnsworth, head of the Medical Department hopes to make the tests a permanent part of freshman orientation. They will however be modified as seems necessary from the results of this year's tests.

#### Admissions Uses Material

The Dean's office, Admissions offices and the Medical Departments of both Wellesley and Technology are cooperating on this experiment. The Admissions Office hopes to be aided, by these tests, in the selection of future students.

Given during the hours reserved for freshmen quizzes the tests were administered by Dr. Gilmore and Miss Gerschenkron of the Medical Department the proctors being graduate students and professors. The tests are similar to those given last year by Dr. H. Harris in his freshmen psychodynamics experiments. Freshmen interested in taking part in these experiments this year apply to Miss Gerschenkron in the Medical Department. The psychodynamics experiments consist of an hour a week of psychiatrist-guided, inhibition-free discussions.

### Publicity Seminar Is Set to Explain Bulletin Boards

Publicity directors, presidents of Institute activities and any other interested parties are invited to attend a seminar on publicity, through bulletin board posters and other means, on October 3, at 5:00 o'clock, in Litchfield Lounge. C. C. Herrmann, Professor of Marketing, will conduct the seminar, which is jointly sponsored by the Public Relations Committee and the Walker Memorial Committee.

Another purpose of this meeting is to explain about the new bulletin boards which have recently been installed in the lobby of building 10 and at the corner of buildings 2, 4, and 6. All other bulletin boards on the first floor have been removed. Second floor bulletin boards will remain as in the past.

The new boards have plastic runners set up on the board itself with grooves for uniform size posters. No tacks, staples, or tape will need to be used. The Coop is cooperating by carrying blank poster cardboard that will exactly fit into these grooves.

There is a small built-out piece on the bulletin boards which is reserved strictly for official notices.

At the time of the seminar it will be decided by the group present if this program of publicity instruction should be continued.

### PHILOSOPHICAL SOCIETY

The Philosophical Society will hold a meeting today in Crafts Lounge at 5:00 p.m. to discuss the subject of academic freedom. Nominations for this year's officers will be entertained.

### Chipman Awarded Clamer Medal By Franklin Institute



Doctor John Chipman

The Francis J. Clamer Medal has been awarded to Dr. John Chipman, head of the Department of Metallurgy, by the Franklin Institute.

Dr. Chipman will receive the medal formally on October 17 at special Medal Day ceremonies in the Franklin Institute's Franklin Hall, where thirteen other awards will be made.

The Clamer Medal, established in 1943, is given at least once in five years for meritorious achievement in the field of metallurgy. The choice of Dr. Chipman as recipient was a unanimous one. His leadership in the field is recognized throughout the metallurgical world, it was stated by Dr. Henry B. Allen, executive vice-president and secretary. He has been ranked as "the father of modern metallurgical thermodynamics" and as "certainly within the top group of three metallurgists in this country," Dr. Allen went on to say.

Dr. Allen also pointed out that in the opinion of the awards committee, the greatest advances in the study of the physical chemistry of steelmaking have been made during the past 25 years, and the great majority of the valuable contributions to the physical chemistry of steelmaking reactions since then have been made by Dr. Chipman himself or by students trained by him.

#### Previous Research

In 1925 at the time the physical chemistry of steelmaking was first

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A new activity of student government at Technology will take place on October 6 and 7 at the New Ocean House in Swampscott, Massachusetts: a leadership conference to study the problems of leadership and student government is being held to help answer some of the perennial questions facing student activity leaders. It is hoped the individuals who are invited to attend the conference will not only gain new information but that they will also pass on this knowledge to the underclassmen in their activities.

### Dormitory Committee Acquaintance Dance Scheduled for Oct. 5

Second in this year's schedule of social events will be the Dormitory Acquaintance Dance, to be held next Friday evening in Morss Hall.

This traditional effort of the Dormitory Committee to promote social activities is piloted this year by George Fuld, '53. Fuld's committee has arranged for 300 girls, one band in the person of Hal Reeves and company, plus the standard line of refreshments. Girls have been selected from Wellesley College, Lasell Junior College, Bradford College, Boston University, Jackson College, and Simmons College. The girls are admitted free and will be picked up and taken home in busses provided by the committee.

Dormitory Committee follows the Catholic Club's lead, charging admission to all at the rate of \$1.25 each. The dance will begin at eight o'clock running the usual four hours until twelve.

#### Senior Portraits

Seniors are advised to sign up for their **TECHNIQUE** portrait appointments at the booth located in the lobby of building 10. Sittings will be held on campus beginning on October 1. The portraits will be taken by Lincoln Studios of Malden. In an effort to avoid last year's confusion on prices, **Technique** is posting an exhibit of Lincoln's portraits, together with full information regarding finish, size, cost and other details. A similar listing will be found in a subsequent issue of **THE TECH**.

### FIELD DAY RALLIES

The assistant manager in charge of rallies for Field Day has announced that three freshmen and two sophomore rallies will be held in the few weeks preceding Field Day. The schedule for these rallies is as follows:

**Freshman rallies:**  
Fri., Sept. 28 5:00-6:00 p.m.—Rm. 6-120  
Fri., Oct. 5 5:00-6:00 p.m.—Rm. 10-250  
Fri., Oct. 19 5:00-6:00 p.m.—Rm. 6-120  
**Sophomore rallies:**  
Tues., Oct. 2 5:00-6:00 p.m.—Rm. 10-250  
Tues., Oct. 16 5:00-6:00 p.m.—Rm. 10-250

The freshmen should take note that Oscar Hedlund, track coach at M.I.T., will be on hand at the rally today to speak about previous Field Days at the Institute. Representatives of the Class of 1954 will also attend to make a presentation to the freshman class.

### Austrian Hittmair To Study At Institute

Otto Hittmair of Austria is to come to the Institute to study under the State Department exchange program, according to a report from the Office of the United States High Commissioner for Austria. Hittmair, from Innsbruck in the French Zone of Austria, is one of 177 English-speaking Austrian students who will study in American schools and colleges this year.

Present plans call for attendance by the members of the Institute Committee with the possible inclusion of the class officers who are not members of Institute Committee. Also in attendance will be eight members of the faculty and the Administration: President James R. Killian, Jr., Edward P. Brooks, new Dean of the School of Industrial Management and former vice-president of the Sears Roebuck Company; E. Francis Bowditch, new Dean of Students; Dr. Dana L. Farnsworth, Assistant Dean Thomas L. Hilton, Professor John T. Rule, Professor Alex Bavelas, and Malcolm G. Kispert, administrative assistant to President Killian.

#### Schedule

The conference will begin with luncheon on Saturday, October 6, followed by an introductory speech by Professor Bavelas on methods and techniques of leadership and an explanation of the nature and scope of the conference. Following this address will be the keynote speech by Dean Brooks upon the need for leadership on the campus, in the community, in the nation, and in the world. That afternoon two simultaneous panels on the theory of student government and general leadership qualities will be held. They will try to define the discreet relationships between the student leaders, Institute Committee.

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### Truman Appoints Professor Whitman To Defense Dept.

Professor Walter G. Whitman has been appointed by President Truman to head the Department of Defense's Research and Development Board. Professor Whitman has taken a one-year's leave of absence as head of the chemical engineering department at the Institute.

Professor Whitman is a chemical engineer with a wide variety of experience as teacher, industrial development engineer, and government scientist. After receiving his B.S. and M.S. degrees from M.I.T., he became an assistant professor and was assigned to direct the Institute's newly established school of chemical engineering practice, first at the Bangor, Maine, field station and then at Boston.

#### Functions of the Board

The Research and Development Board was established to solve the long-standing problem of coordinating the research and development activities of the various military departments. One example of the board's recent actions is the establishment of a policy for each of the armed services which requires them to devote a fixed percentage of their total research and development funds for basic research. In round figures this amounts to approximately \$30 million for the current year for all three services.

Prof. Whitman is a member of

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### Dean Bunker, Aide To Governor, Is Expert On A-Bomb Defense

"... reducing downtown Boston to rubble. The atomic bombs were dropped at..." A news broadcast containing these words is no longer beyond the realm of possibility, and its avoidance is certainly one of the biggest problems facing the United States today. One man who has done much toward safeguarding the American people from atomic attack is the Dean of our own Graduate School, Dr. John W. N. Bunker.

In the spring of 1950, the Federal Government invited the governors of all the Northeastern states to each name a representative from his state to attend a six-week

course on atomic bombs, their effect, and what to do in case of an attack. The course was given to enable these men to organize Civilian Defense in their states against atomic attacks. Governor Dever of Massachusetts chose Dean Bunker as his representative, possibly because of the work Dr. Bunker did during World War II in the organization of the Institute for protection from attack.

#### Aide to Governor

Despite the sudden change from the role of teacher to that of student, Dean Bunker termed the six-week course very interesting.

He was given a thorough training in atomic weapons and defense against them, including all information then available. He acted as chief of a team of fifteen men who were given a field problem at the end of the course consisting of determining the radio activity in a certain area which had been contaminated. This was a practical application of the course, and taught as much as the actual class work.

After attending this course, Dean Bunker was appointed to the governor's Defense Council, of

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# The Tech

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## THAT FOUR-DAY WEEKEND AGAIN

As we have mentioned before in this column Thanksgiving Day at present is similar to Lincoln's or Washington's Birthday, just a twenty-four-hour break in a busy week. While many students are able to miss their classes on Friday and Saturday without ill effect, others with laboratories which cannot be made up, and classes that must be attended, are forced to remain in Boston.

If the Friday and Saturday of the four-day weekend must be accounted for, the answer may lie along the following lines. A look at the school calendar shows that this year we leave for vacations on Fridays or Saturdays and return on Mondays. This means that it is not possible to make up for the Friday of the proposed four-day weekend by leaving a day later for home or by returning a day earlier. Since upperclassmen do not have Saturday classes, leaving a day later for Spring vacation, the one holiday which starts on Friday, would not be a substitute for Friday, November 23. This Saturday in the Spring, though, could take the place of the Saturday the freshmen would lose in the Fall. This might mean, however, a slight rearranging of the work covered during the two terms.

As a substitute for the Friday of the four-day weekend we suggest that Fall registration be held on Saturday, rather than on Monday as it is now. The great majority of Freshmen will be on campus having just finished Freshmen camp. Many of the upperclassmen will have also returned, some to take part in rushing and others to get settled in their rooms.

Thanksgiving Day is a family holiday; it loses much of its significance spent away from home. We would still like to be homeward bound on November 21.

## ECONOMY—MISGUIDED AND DISASTROUS

While it is commonplace to speak of "the shortage of trained engineers" in this country, the public figures who are bemoaning the situation usually add "and scientists" to the discussions of short supply. Working to alleviate this deficit of fundamental scientists is but one of the activities in which the National Science Foundation could engage. Yet, the House of Representatives has just lopped off \$11 million from the Foundation's request for funds of \$14 million for the coming year.

That the Foundation has felt the axe is hardly to be wondered at when one considers the alacrity with which the present Congress wields the instrument. Considerations for the nation's welfare seem to be unheard of. Like General Eisenhower, President Conant of Harvard, head of the Foundation's executive board, has felt compelled to speak out publicly. "An example of wide misunderstanding of advances in pure science," is what he terms the cut.

Months of time and hard work have been spent over the past few years to clear up any misunderstandings. In 1947, the Steelman report recommended the establishment of a science foundation authorized to spend \$50 million during its first year of operation with succeeding annual appropriations to reach the figure of \$250 million by 1957. Such grandiose plans were short-lived. In May 1950, President Truman signed the bill setting up the Foundation and authorizing expenditures of \$500,000 the first year with \$15 million to come annually. When in November 1950, the House got around to putting up some cash, it pared the first year expenditures down to \$225,000 but still promised \$15 million after the first year. The Foundation had become, for the time being, just another scholarship agency.

It is granted that advent of the Korean conflict probably made unavoidable some cuts in the initially planned expenditures for the Foundation; but the statement made at the time by the House-Senate Committee on the bill that the act "will not provide early aid to our defense effort" was silly. The country is in for a long struggle with Soviet totalitarianism, it has

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## AFTER HOURS

With this issue of THE TECH, "After Hours" opens the social calendar to you, the readers. Each week we'll present the best opportunities for recreation and enjoyment, along with a few comments on each. The rest is up to you. We want this column to assist Techmen in planning their weekends, so we'd appreciate any comments or contributions, which should be sent to George Bartolomei, 449 Beacon Street, Boston, Mass.

## THEATER

COLONIAL—"Remains to be Seen." This thrilling mystery comedy is completing its Boston engagement this weekend. There have been some seat cancellations, so there's still a chance to see this outstanding play. "Oklahoma." Beginning Monday, this already famous musical will be here for 3 weeks. Rodgers and Hammerstein are bringing the hit here direct from its Berlin performance.

PLYMOUTH—"Saint Joan." Uta Hagen stars in another Bernard Shaw masterpiece. The critics have given the play much acclaim, but it is moving on this weekend. "Love and Let Love." Seats are on sale now for this comedy by Louis Verneuil which will begin Monday. Ginger Rogers is starring in the production, so it should be a lively hit.

SHUBERT—"Top Banana." Phil Silvers makes this musical comedy laughable and laudable. It's a mixture of jokes, burlesque and new tunes supplied by Johnny Mercer.

OPERA HOUSE—"Kiss Me Kate." For the first time, this highly praised musical will reach the public at popular prices. Holly Harris will take the lead in presenting the music of Cole Porter, an additional guarantee to an enjoyable evening.

## MUSIC

BLUE SHIP TEA ROOM—This is something new and special, for concert pianist lovers who like to dine with music. The restaurant offers good food, a view of the harbor and Russell Howe to play your favorite selections of Chopin and Liszt. A swell place to take a date; it's located on the tip of T Wharf, State Street.

## DANCES

## FRIDAY, SEPTEMBER 28

M.I.T.—The All-Tech Acquaintance Dance, sponsored by the Catholic Club, will undoubtedly provide an excellent opportunity to break in the "Little Black Books." With George Graham supplying the music, Walker Memorial should be filled to capacity with "interesting" gals from the colleges in and around Boston. The four hours (8-12) of pleasure will be well worth the \$1.20 admission charge.

Cambridge City Hospital—The student nurses of this local institution are really anxious to meet some Techmen (that includes Frosh), and figure a dance is their best bet. They're a swell group of gals and will make you forget about school for a while. Admission free, and refreshments will be served while they last. (8-12)

Massachusetts General Hospital—The very popular nurses at the Walcott House are giving another dance to-night, so be there anytime between 8 and 12. Get out and meet the gals now. "It's later than you think!"

Lasell Junior College—Here's your chance to meet some genuine "hep cats." The Lasell campus is no doubt familiar to most Techmen, but the new gals aren't, so take advantage of the situation and get to Winslow Hall early.

Charlesgate Hall—The girls from B.U. are holding this informal dance right in our own back yard, Beacon Street. Cash in on this chance to meet your neighbors. Invitations may be obtained at Baker House.

## SATURDAY, SEPTEMBER 29

University Club—The Copley Dance Club has become the Intercollegiate Club, but the dances they give will be just as terrific this year as last. Herbie Sulkin will supply some smooth music, much of it songs requested by the students. The fun starts at 8:30, and the hostesses will be from the Boston area.

## You are invited to attend Church Services

and to participate in the

## STUDENT PROGRAM

at

## Harvard Church

(CONGREGATIONAL)

corner Harvard & Marion Streets  
 Coolidge Corner

## BROOKLINE

Sept. 30 is Student Sunday



Charles Hubert Stem, Minister

E. Powers Biggs, Organist

Vested Choir

Student Discussion Group 10:00 A.M.  
 Morning Worship 11 A.M.  
 Student Group 7:30 P.M.

## Bunker

(Continued from Page 1)

which he is still a member. As such he has secured the passage of much legislation in the state for Civilian Defense, and acts as supervisory consultant to the director of Civilian Defense in charge of atomic protection within the state.

## Public Must be Informed

The biggest problem faced by Dean Bunker has been that of informing the people of the true facts. His activities in this regard have been two-fold; he has, through clubs and similar organizations, talked to more than 20,000 people on the subject, and, with the aid of a committee of outstanding scientists in this area, he has prepared a booklet entitled "Protection from the Atomic Bomb." Over two million copies of this booklet have been printed and distributed, and it still is available at any local Civilian Defense Board. Helping Dean Bunker on this booklet were Dr. Karl T. Compton, Professor Robley D. Evans, and Professor Jerrold R. Zacharias from the Institute; Pro-

fessor Kenneth Bainbridge of Harvard University; Dr. Edward Rutherford of Harvard Medical School; Earl P. Stevenson, President, Arthur D. Little, Inc.; and Dr. Shield Warren of the Atomic Energy Commission.

## Detects Atomic Radiation

Dean Bunker was well acquainted with atomic defense even before his six-week course. He had organized and still is general manager of Team No. 5 of the Atomic Energy Commission. This group is charged with detecting and determining the extent of any atomic radiation in the area east of the Connecticut River. The team is made up chiefly of professors from the Institute with alternates from the Boston area. The group has done much field work, but no active duty as yet.

Although he is the special advisor to the governor on atomic defense, Dean Bunker is not personally responsible for such protection here at the Institute. This responsibility is held by a committee appointed

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## THE FIRST CHURCH OF CHRIST, SCIENTIST



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 is very important

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The COOP wishes to emphasize the fact that members of the Technology Store may purchase gasoline and oil for their cars and obtain a Patronage Refund thereon. A Patronage Refund is also paid on the charges for washing and greasing. To the drivers of cars, this represents a saving that is well worth while and you are urged to visit this Authorized TECH Store Gas Station.

## Technology Store Gas Station

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## Freshmen Football Turnout Good; Poor Soph Showing

Field Day football faces a crisis. The turnout of Sophomore Gridders is not adequate for the fielding of any team let alone a squad which can compete with a strong freshmen turnout. If more Sophs do not turn out at once it may mean that the Field Day football contest will not be held.

Football has become a firmly entrenched part of Field Day tradition. It is not only a big point winner in the annual tussle, but also a good indication of the kind of spirit a good class promotes.

The class of '54' fielded a good team last year. There is no reason why they can't do the same this year.

Let's see some of you husky Sophs reporting to Coach Howie Anderson. Show the Frosh what class spirit means.

## Intramural Football Under Way Tomorrow 32 Teams To Play

The first intramural tournament of the year gets under way this weekend with thirty-two teams vying for the coveted title of intramural football champion. Last years playoffs ended with a three-way tie between Theta Chi, Grad House, and the New Dorms. This years tournament promises to be as exciting. With Baker House and Theta Chi seeming to be the teams to beat. The schedule of games to be played this weekend follows.

SATURDAY, SEPTEMBER 29, 1951

League 1  
Baker House vs. Phi Sigma Kappa 1:30 p.m.  
Sigma Chi vs. Alpha Epsilon Pi 2:45 p.m.

League 2  
Chi Phi vs. Theta Delta Chi 1:30 p.m.  
Phi Kappa Sigma vs. Walker 2:45 p.m.

League 3  
Sigma Alpha Epsilon vs. Westgate 1:30 p.m.  
Phi Gamma Delta vs. Pi Lambda Phi 2:45 p.m.

League 4  
Delta Kappa Epsilon vs. Phi Mu Delta 1:30 p.m.  
Beta Theta Pi vs. Lambda Chi Alpha 2:45 p.m.

SUNDAY, SEPTEMBER 30, 1951

League 1  
Delta Tau Delta vs. East Campus 1:30 p.m.  
Phi Delta Theta vs. Kappa Sigma 2:45 p.m.

League 2  
Sigma Upsilon vs. Theta Xi 1:30 p.m.  
Alpha Tau Omega vs. Phi Kappa 2:45 p.m.

League 3  
Pegis Club vs. Sigma Alpha Mu 1:30 p.m.  
Delta Upsilon vs. Delta Psi 2:45 p.m.

League 4  
Theta Chi vs. Lenox Club 1:30 p.m.  
Student House vs. Phi Beta Epsilon 2:45 p.m.

## ATTENTION SOPHOMORES!!!

By BUDDY REISS

The Sophomore football coach is now on the hunt for men. Except for the fact that there was almost no turnout of Sophs Coach Howie Anderson will try and face the Freshmen. The rumor is that he cannot whip a team into shape in time for the traditional game on Field Day. If the practice turnout on Wednesday is any example of that of the game the Sophomores will be three men short for there were only eight at Briggs Field for practice.

As for the Freshmen, response was quite contrary to that of the Sophomores. The turnout was big. The first official scrimmage game with plenty of material for Coach Bill Teeple to work him. The first week consisted of conditioning the boys. A list of possible starters was

not available because Wednesday was the first day of scrimmaging. will be a week from this Saturday and by then most of the Freshmen plays will be in operation and the identity of the possible starters will be known. The Freshmen boys who turned out have on the whole had experience either in high school varsity or in sandlot football. Coach Bill Teeple said that he hopes the Sophomore squad is large enough by Field Day so that the game can come off as planned. This thought is shared by most of the school for the Sophomore-Freshman football game holds an important position in the spirit of Field Day.

## Intramural Water Polo

A pioneer group of water polo enthusiasts at the Institute are staging a rally on Tuesday, October 2, at 5:00 p.m., in Room 5-204. To be discussed are the following: form of a possible organization, practice hours, and finances. There will be a short talk on modern water polo.

The group hopes to make the sport a recognized intramural one within the school year. A sign-up list for those who cannot make the meeting but who are interested will be posted in the hall of the swimming pool.

## JEWISH NEW YEAR

For the benefit of those Jewish students who are not going home for the New Year Holidays, the Harvard-Radcliffe-M.I.T.-Lesley Hillel Foundation announces the following schedule of services for Rosh Hashanah:

Sunday, Sept. 30: 5:30 p.m.—Traditional (Orthodox) Rosh Hashanah Services at Hillel House. 6:30 p.m.—Holiday meal at Hillel House. 8:00 p.m.—Conservative-Reform services at Sanders Theatre, Memorial Hall, Harvard.

Monday, Oct. 1: 9:00 a.m.—Traditional Services at Hillel House. 10:00 a.m.—Reform services at Phillips Brooks House, Harvard. 1:00 p.m.—Holiday meal at Hillel House. 5:30 p.m.—Traditional services at Hillel House. 6:30 p.m.—Holiday meal at Hillel House.

Tuesday, Oct. 2: 9:00 a.m.—Traditional Services. 1:00 p.m.—Holiday meal, both at Hillel House.

Reservations for all meals at Hillel House must be made by tonight by calling TRowbridge 6-6138.

## Hillel Freshman Acquaintance Dance

There will be an acquaintance dance for Freshmen at Burton Lounge East Campus, 8 p.m. Saturday, September 29. Girls from Simmons, Radcliffe, Wellesley, Chandler, Boston University, Brandeis, Lesley, Emerson and other colleges have been invited. Admission is free for members, 30 cents for non-members.

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**HOTEL SHELTON ROOF**

## He's a Campus A-man

The "A" stands for "Activities"—and he's in a lot of them. Plays first-string basketball. Writes for the school paper. Represents his class on the student council.

And on top of that, he's a good student.

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## TECHNIQUE ANNOUNCES 1952 SENIOR PORTRAITS

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These will be taken during October. Make your appointments now in Lobby of Building 10.

Photography by Lincoln Studio, Malden. A sitting fee of \$3.00 will be collected to cover initial work and to insure the inclusion of your picture in TECHNIQUE.

The entire \$3.00 will be credited to your purchase of finished personal portraits. These are available in a variety of sizes at prices starting at \$10/dozen and some special package offers.

A complete set of samples including special combinations is on display in Building 10.

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## MAKE SURE YOU ARE IN 1952 TECHNIQUE

## Leadership

(Continued from Page 1)

tee, the student community, the living groups, and the M.I.T. Administration. An informal discussion of the recommendations made last year by the Student Government Investigating Committee as to the revision of the Institute Committee will be carried on during that evening.

On Sunday morning three simultaneous panels will discuss the problems of student apathy, continuity of organization, and cliques. A luncheon speech by President Killian will be followed by two afternoon panels about group discussion techniques and planning and running a good meeting. A general summary of the conference will be made by Robert B. Briber, '52 Chairman of the Institute Committee, as to the conclusions reached by the panels, and by Professor Bavelas about the discussion methods used, and any conclusions reached about these methods.

## Bush Grant

The conference is being made financially possible by a grant of money made last spring by Dr. Vannevar Bush, head of the Carnegie Institute in Washington, providing for the use of \$500 each year by the president of the Senior Class to be used to cover personal expenses. Robert Briber, president of the Senior Class, decided instead to use the money to finance such a leadership conference.

cents for non-members.

## Whitman

(Continued from Page 1)

the American Chemical Society and has been active in the local chapter at Boston, also serving as chairman of the Division of Industrial and Engineering Chemistry from 1934 to 1937. He is a council member of the American Institute of Chemical Engineers. Other organizations of which he is a member are the American Academy of Sciences, Alpha Chi Sigma, Sigma Xi, Tau Beta Pi, and The Chemists' Club (New York). He is a member of AEC's General Advisory Committee.

## Bunker

(Continued from Page 2)

by President Killian, which is almost ready to go into operation. Dean Bunker's responsibilities are tremendous as they stand, but most people agree that he is completely capable of taking care of them. The opinion of many was summed up by one of Dr. Bunker's colleagues when the Dean was first offered the atomic defense job, "Go ahead and take the job; if you don't somebody worse will."

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## Chipman

(Continued from Page 1)

discussed seriously, under the auspices of The Faraday Society, the contributions which this scientific approach might make to the steel industry were recognized, but they were limited by the lack of quantitative knowledge of reaction rates particularly as they were affected by temperatures used in steel-making.

In 1929, turning his attention to steelmaking processes, Dr. Chipman undertook to place the physical chemistry of steelmaking on a quantitative and sound theoretical base. More than any other single individual, he has been responsible for placing the mechanism of deoxidation in steelmaking on a quantitative basis, making it possible to determine the amount of deoxidizers, and the time and order of their addition to achieve the desired degree of deoxidation and the economical production of steel of a desired quality. He is the author or co-author of numerous papers on the subject.

Born in Tallahassee, Florida, in

1897, Dr. Chipman graduated from the University of the South (Sewanee, Tennessee). He received the Master of Science degree from the State University of Iowa and the Doctor of Philosophy from the University of California, then his Doctor of Science from the University of the South. He was assistant professor of Chemistry at Illinois Wesleyan from 1922 to 1924 and at the Georgia School of Technology from 1926 to 1929. Later he was Research engineer at the University of Michigan and associate director of research at the University of Michigan and associate director of research at the American Rolling Mill Company laboratories. He came to the Institute in 1937 as professor of metallurgy and has been head of the department since 1946.

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## Editorial

(Continued from Page 2)

been told time and time again. Just what constitutes "early aid" in terms of such a long-range defense program? One need only examine the World War II record of the Institute to find important examples of weapons and techniques which had their roots in basic research, or to note in some cases the rapidity with which technical outgrowths follow fundamental discoveries.

Yet, war should not be the prime motivation behind the establishment of a science foundation. The nation is supposedly dedicated to the truth; and nowhere is the truth sought more assiduously than in the laboratories of basic science. With financial difficulties plaguing schools and other research institutions, some form of federal aid, effectively administered, is essential.

Properly set up and financed, the National Science Foundation can be what the President asked for, "a single federal research agency." It can integrate and direct a national policy of support of fundamental science. Any action which impairs the functioning of such an organization is inexcusable.

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Write a Lucky Strike jingle, like those you see on this page, based on the fact that Luckies taste better than any other cigarette, or other qualities of Luckies such as those listed below. If your jingle is selected for possible use in Lucky Strike advertising, we will pay you \$25 for the right to use it and your name in our advertising. Lucky Strike jingles will soon be running in your paper. Start today—send in as many jingles as you like. Be the first to write a jingle in your school!



Just made a great discovery  
Which I announce with haste:  
Folks go for Lucky Strike because  
They like that better taste!



Before each class—and after too  
I do just what I like—  
Relax—enjoy the better taste  
of good ol' Lucky Strike!



## READ THESE SIMPLE INSTRUCTIONS

1. Write your Lucky Strike four-line jingle on a plain piece of paper or postcard and send it to Happy-Go-Lucky, P. O. Box 67, New York 46, N. Y. Be sure that your name, address, college and class are included—and that they are legible.

2. Base your jingle on the fact that Luckies taste better than any other cigarette—or on any of the alternate themes below.

3. Every student of any college, university or post-graduate school may submit jingles.

## IMPORTANT:

To make money writing jingles, it is not essential to base your jingle on "Luckies taste better than any other cigarette." You may base a jingle on other outstanding qualities of Luckies such as the following:

L.S./M.F.T.  
Lucky Strike Means Fine Tobacco  
Be Happy—Go Lucky!  
So round, so firm, so fully packed  
So free and easy on the draw  
Buy Luckies by the carton  
Luckies give you deep-down smoking enjoyment  
Luckies are the world's best-made cigarette.

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L.S./M.F.T.-Lucky Strike Means Fine Tobacco